



MAJOR SOURCE OPERATING PERMIT

Permittee: **Nemak USA., Inc.**
Facility Name: **Nemak USA., Inc.**
Facility No.: 309-0047
Location: Sylacauga, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol. and 2007 Cum. Supp.), and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date: *DRAFT*

Expiration Date: *DRAFT*

Alabama Department of Environmental Management

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General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in ADEM Admin. Code R. 335-3-16-.13(1)(a)5.</p> <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	<p>ADEM Admin. Code R. 335-3-16-.02(6)</p> <p>ADEM Admin. Code R. 335-3-16-.12(2)</p> <p>ADEM Admin. Code R. 335-3-16-.05(e)</p> <p>ADEM Admin. Code R. 335-3-16-.05(f)</p> <p>ADEM Admin. Code R. 335-3-16-.05(g)</p>

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<p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p> <p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p> <p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p> <p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p> <p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p> <p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p>	<p>ADEM Admin. Code R. 335-3-16-.05(h)</p> <p>ADEM Admin. Code R. 335-3-16-.05(i)</p> <p>ADEM Admin. Code R. 335-3-16-.05(j)</p> <p>ADEM Admin. Code R. 335-3-16-.05(k)</p> <p>ADEM Admin. Code R. 335-3-16-.07(a)</p> <p>ADEM Admin. Code R. 335-3-16-.07(b)</p>

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<ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. 	
<p>11. <u>Compliance Provisions</u></p> <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. 	<p>ADEM Admin. Code R. 335-3-16-.07(c)</p>
<p>12. <u>Compliance Certification</u></p> <p>A compliance certification shall be submitted on or before February 12th of each calendar year and shall cover the period between December 13th of the previous year and December 12th of the current year.</p> <ul style="list-style-type: none"> (a) The compliance certification shall include the following: <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status; (3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code R. 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements); (4) Whether compliance has been continuous or intermittent; 	<p>ADEM Admin. Code R. 335-3-16-.07(e)</p>

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<p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="padding-left: 80px;">and to:</p> <p style="padding-left: 40px;">Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	<p>ADEM Admin. Code R. 335-3-16-.13(5)</p>
<p>14. <u>Additional ADEM Admin. Code R.s and Regulations</u></p>	

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<p>This permit is issued on the basis of ADEM Admin. Code R.s and Regulations existing on the date of issuance. In the event additional ADEM Admin. Code R.s and Regulations are adopted, it shall be the permit holder's responsibility to comply with such ADEM Admin. Code R.s.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period. <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	<p>ADEM Admin. Code R. 335-3-1-.07(1), (2)</p>
<p>16. <u>Operation of Capture and Control Devices</u></p>	

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<p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>ADEM Admin. Code R. 335-3-1-.08</p>
<p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <ol style="list-style-type: none"> (1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic; (2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created; (3) By paving; (4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.</p>	<p>ADEM Admin. Code R. 335-3-4-.02</p>

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<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in ADEM Admin. Code R.s 335-3-16-.13 or 335-3-16-.14.</p> <p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <ul style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p> <p>21. <u>Reporting Requirements</u></p> <p>(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with ADEM Admin. Code R. 335-3-16-.04(9).</p>	<p>ADEM Admin. Code R. 335-3-16-.13 and .14</p> <p>ADEM Admin. Code R. 335-3-16-.05(c)2.</p> <p>ADEM Admin. Code R. 335-3-16-.05(c)3.</p>

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(b) Deviations from permit requirements shall be reported within 48 hours or 2 working day of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.	
<p>22. Emission Testing Requirements</p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control ADEM Admin. Code R.s and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ol style="list-style-type: none"> (1) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests. (2) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning). (3) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity. (4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances. 	<p>ADEM Admin. Code R. 335-3-1-.05(3) and ADEM Admin. Code R. 335-3-1-.04(1)</p> <p>ADEM Admin. Code R. 335-3-1-.04</p>

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<p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>ADEM Admin. Code R. 335-3-1-.04</p>
<p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p>	<p>ADEM Admin. Code R. 335-1-7-.04</p>
<p>24. <u>Other Reporting and Testing Requirements</u></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control ADEM Admin. Code R.s and regulations. The Department may require emission testing at any time.</p>	<p>ADEM Admin. Code R. 335-3-1-.04(1)</p>
<p>25. <u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p>	<p>40 CFR 82</p>

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<p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <ul style="list-style-type: none"> (a) The owner or operator shall comply with the provisions in 40 CFR Part 68. (b) The owner or operator shall submit one of the following: <ul style="list-style-type: none"> (1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or, (2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. <p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will be made readily available for inspection by any or all persons who may request to see it.</p> <p>28. <u>Circumvention</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 ADEM Admin. Code R.s and regulations.</p> <p>29. <u>Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>	<p>40 CFR Part 68</p> <p>ADEM Admin. Code R. 335-3-14-.01(1)(d)</p> <p>ADEM Admin. Code R. 335-3-1-.10</p> <p>ADEM Admin. Code R. 335-3-4-.01(1)</p>

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30. <u>Fuel-Burning Equipment</u>	
<p>(a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.</p>	<p>ADEM Admin. Code R. 335-3-4-.03</p>
<p>(b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.</p>	<p>ADEM Admin. Code R. 335-3-5-.01</p>
31. <u>Process Industries – General</u>	
<p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.</p>	<p>ADEM Admin. Code R. 335-3-4-.04</p>
32. <u>Averaging Time for Emission Limits</u>	
<p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p>	<p>ADEM Admin. Code R. 335-3-1-.05</p>
<p>(a) Reporting and Recordkeeping Requirements</p>	<p>40 CFR 64.9</p>
<p>(1) <i>General reporting requirements</i></p>	
<p>(a) On and after the date specified in Section 33(a)(1) above by which the owner or operator must use monitoring that meets the requirements of this part, the owner or operator shall submit monitoring reports to the permitting authority in accordance with ADEM Admin. Code R. 335-3-16-.05(c)3.</p>	
<p>(b) A report for monitoring under this part shall include, at a minimum, the information required under ADEM Admin. Code R. 335-3-16-.05(c)3. and the following information, as applicable:</p>	
<p>i. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;</p>	

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>ii. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and</p> <p>iii. A description of the actions taken to implement a QIP during the reporting period as specified in Section 33(b) above. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.</p> <p>(2) General recordkeeping requirements.</p> <p>(a) The owner or operator shall comply with the recordkeeping requirements specified in ADEM Admin. Code R. 335-3-16-.05(c)2.. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to Section 33(b) above and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).</p> <p>(b) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.</p> <p>(b) Savings Provisions</p> <p>(1) Nothing in this part shall:</p>	<p>40 CFR 64.10</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<ul style="list-style-type: none"> a. Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. The requirements of this part shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part. b. Restrict or abrogate the authority of the Department to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to sections 114(a)(1) and 504(b), or state law, as applicable. c. Restrict or abrogate the authority of the Department to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under section 304 of the Act. 	

Summary Page for Foam Pattern Making Process

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
001	Foam Pattern Making Process	VOC	39.82 TPY	Anti-PSD 335-3-14-.04
001	Foam Pattern Making Process	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP

Provisos for Foam Pattern Making Process

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
2. This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	ADEM Admin. Code r. 335-3-14-.04
Emission Standards	
1. VOC emissions from the foam pattern making process shall not exceed the Anti-PSD limit of 39.82 tons in any consecutive 12-month period.	ADEM Admin. Code r. 335-3-14-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos	N/A
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Record Keeping and Reporting Requirements</u>	
1. The facility must keep records showing monthly and 12-month rolling total of all VOC's emitted, expressed in tons. The records shall be kept in form suitable for inspection for a period of 5 years.	ADEM Admin. Code r. 335-3-16-.05(c)

Summary Page for Casting Line # 1(60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
002	Casting Line #1 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	PM	The lesser of 3.0 lbs/hr or the allowable set by 3.59(P) ^{0.62}	Anti- PSD 335-3-14-.04 335-3-4-.04
002	Casting Line #1 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	VOC	2.05 lbs/hr	Anti-PSD 335-3-14-.04
002	Casting Line #1 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP
002	Casting Line #1 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	Styrene	0.68 lb/hr	To avoid 335-3-14-.06
002	Casting Line #1 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	CO	N/A	N/A
002	Casting Line #1 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	SO ₂	N/A	N/A
002	Casting Line #1 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	NO _x	**	*Anti-PSD 335-3-14-.04

* The natural gas usage is limited for the entire Lost Foam Operation to restrict the NO_x emissions.

** Natural gas usage for Lost Foam Operation shall not exceed the Anti-PSD limit of 1,374.12 x 10⁶ ft³ during any consecutive 12 month period.

Provisos for Casting Line # 1(60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer

Federally Enforceable Provisos	Regulations
<p>Applicability</p> <ol style="list-style-type: none"> This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits." This source is subject only to Adem Admin Code r. 335-3-4-.04(1) "Control of Particulate Process Industries – General". This source is subject to ADEM Admin. Code r. 335-3-4-.01(1), "Control of Particulate Emissions – Visible Emissions". The Lost Foam Casting Operation must comply with the applicable requirements of 40 CFR Part 63 Subpart ZZZZZZ, "National Emission Standards for Hazardous Air Pollutants for Aluminum, Copper and other Nonferrous Foundries" by June 27, 2011 or by alternative date established by Subpart ZZZZZZ. This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]." This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.06, "Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Section 112(g)." 	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-4-.04(1)</p> <p>ADEM Admin. Code r. 335-3-4-.01(1)</p> <p>40 CFR Part 63 Subpart ZZZZZZ</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.06</p>
<p>Emission Standards</p> <ol style="list-style-type: none"> Particulate matter emissions from this unit shall not exceed the lesser of the Anti-PSD limit of 3.0 lbs/hr or the allowable set by rule 335-3-4-.04. VOC emissions from this unit shall not exceed the Anti-PSD limit of 2.05 lbs/hr. Natural gas usage for the entire Lost Foam Operation shall not exceed the Anti-PSD limit of $1,374.12 \times 10^6$ ft³ during any consecutive 12 month period. 	<p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p>

Federally Enforceable Provisos	Regulations
4. Styrene emissions from this unit shall not exceed 0.68 lbs/hr.	ADEM Admin. Code r. 335-3-14-.06
Compliance and Performance Test Methods and Procedures	
1. If testing is required, particulate matter(PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
2. Method 9 of 40 CFR 60, Appendix A, or an equivalent method approved by the Department shall be used in the determination of the opacity of the stack emissions.	ADEM Admin.Code r. 335-3-1-.05
3. If testing is required, VOC emissions shall be determined in accordance with Method 25a of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
4. If testing is required, styrene emissions shall be determined in accordance with Method 18 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
Emission Monitoring	
1. The facility shall perform a visual check, at least once per week, of the baghouse stack associated with this unit. This check shall be performed by a person familiar with Method 9. If the instantaneous opacity of emissions in excess of 10% are noted, and are not corrected within a period of 1 hour, then a Method 9 must be performed within 4 hours of the observations. Maintenance shall be performed as needed. Any repairs or observed problems shall be recorded.	ADEM Admin.Code r. 335-3-16-.05
2. The facility shall monitor and record the pressure drop across the baghouse at least once per day. Corrective action must be performed if the pressure drops falls out of the range that is established by the facility.	ADEM Admin.Code r. 335-3-16-.05
3. A proper control and operation limit on the thermal oxidizer operating temperature, as measured at the exit of the combustion chamber, shall be set based upon data from the initial performance test. The thermal oxidizer shall be operated so that the 3-hour average temperature is greater than or equal to the temperature demonstrated during the latest compliance testing which showed compliance with the VOC limit, minus 50°F.	
If an additional compliance test is performed on this unit, the facility must receive written permission from the Department to modify the thermal oxidizer temperature set point.	

Federally Enforceable Provisos	Regulations
<p>Recordkeeping and Reporting Requirements</p> <ol style="list-style-type: none"> 1. The facility shall maintain a record of all inspections, to include visible observations and Method 9 observations performed to satisfy the requirements of periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years. 2. If a visible emission observation is required using the 40 CFR, Part 60, Appendix A, Method 9, the results will be documented using an ADEM visible emissions observation report and the cause and corrective action taken will be documented in a form suitable for inspection. 3. Maintenance records for the thermal oxidizer will be recorded. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years. 4. The 3-hour average combustion chamber temperature of the thermal oxidizer will be recorded. Each record shall be maintained for a period of 5 years. 5. The facility must keep records showing monthly and 12 month rolling total of all natural gas used from the entire Lost Foam Operation. Each record must be contained for a period of 5 years. 6. The facility shall maintain a record of the pressure drop across the baghouse required under "Emission Monitoring". This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years. 	<p>ADEM Admin.Code r. 335-3-16-.05</p> <p>ADEM Admin.Code r. 335-3-16-.05</p> <p>ADEM Admin.Code r. 335-3-16-.05</p> <p>ADEM Admin.Code r. 335-3-16-.05</p> <p>ADEM Admin.Code r. 335-3-16-.05</p> <p>ADEM Admin.Code r. 335-3-16-.05</p>

Summary Page for Casting Line # 2(60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
003	Casting Line #2 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	PM	The lesser of 3.0 lbs/hr or the allowable set by $3.59(P)^{0.62}$	Anti- PSD 335-3-14-.04 335-3-4-.04
003	Casting Line #2 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	VOC	2.05 lbs/hr	Anti-PSD 335-3-14-.04
003	Casting Line #2 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP
003	Casting Line #2 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	Styrene	0.68 lb/hr	To avoid 335-3-14-.06
003	Casting Line #2 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	CO	N/A	N/A
003	Casting Line #2 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	SO ₂	N/A	N/A
003	Casting Line #2 (60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer	NO _x	**	*Anti-PSD 335-3-14-.04

* The natural gas usage is limited for the entire Lost Foam Operation to restrict the NO_x emissions.

** Natural gas usage for Lost Foam Operation shall not exceed the Anti-PSD limit of $1,374.12 \times 10^6$ ft³ during any consecutive 12 month period.

Provisos for Casting Line # 2(60 Pourings/Hr) with Natural Gas-Fired Duct Burner (8.5 MMBtu/Hr) with Baghouse and Thermal Oxidizer

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
2. This source is subject only to Adem Admin Code r. 335-3-4-.04(1) "Control of Particulate Process Industries – General".	ADEM Admin. Code r. 335-3-4-.04(1)
3. This source is subject to ADEM Admin. Code r. 335-3-4-.01(1), "Control of Particulate Emissions – Visible Emissions".	ADEM Admin. Code r. 335-3-4-.01(1)
4. This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	ADEM Admin. Code r. 335-3-14-.04
5. This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.06, "Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Section 112(g)."	ADEM Admin. Code r. 335-3-14-.06
Emission Standards	
1. Particulate matter emissions from this unit shall not exceed the lesser of the Anti-PSD limit of 3.0 lbs/hr or the allowable set by rule 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04
2. VOC emissions from this unit shall not exceed the Anti-PSD limit of 2.05 lbs/hr.	ADEM Admin. Code r. 335-3-14-.04
3. Styrene emissions from this unit shall not exceed 0.68 lbs/hr.	ADEM Admin. Code r. 335-3-14-.06
Compliance and Performance Test Methods and Procedures	
1. If testing is required, particulate matter(PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
2. Method 9 of 40 CFR 60, Appendix A, or an equivalent method approved by the Department shall be used in the determination of the opacity of the stack emissions.	ADEM Admin.Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
3. If testing is required, VOC emissions shall be determined in accordance with Method 25a of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
4. If testing is required, styrene emissions shall be determined in accordance with Method 18 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
Emission Monitoring	
1. The facility shall perform a visual check, at least once per week, of the baghouse stack associated with this unit. This check shall be performed by a person familiar with Method 9. If the instantaneous opacity of emissions in excess of 10% are noted, and are not corrected within a period of 1 hour, then a Method 9 must be performed within 4 hours of the observations. Maintenance shall be performed as needed. Any repairs or observed problems shall be recorded.	ADEM Admin.Code r. 335-3-16-.05
2. The facility shall monitor and record the pressure drop across the baghouse at least once per day. Corrective action must be performed if the pressure drops falls out of the range that is established by the facility.	ADEM Admin.Code r. 335-3-16-.05
3. A proper control and operation limit on the thermal oxidizer operating temperature, as measured at the exit of the combustion chamber, shall be set based upon data from the initial performance test. The thermal oxidizer shall be operated so that the 3-hour average temperature is greater than or equal to the temperature demonstrated during the latest compliance testing which showed compliance with the VOC limit, minus 50°F.	ADEM Admin.Code r. 335-3-16-.05
If an additional compliance test is performed on this unit, the facility must receive written permission from the Department to modify the thermal oxidizer temperature set point.	ADEM Admin.Code r. 335-3-16-.05

Federally Enforceable Provisos	Regulations
<p>Recordkeeping and Reporting Requirements</p> <ol style="list-style-type: none"> 1. The facility shall maintain a record of all inspections, to include visible observations and Method 9 observations performed to satisfy the requirements of periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years. 2. If a visible emission observation is required using the 40 CFR, Part 60, Appendix A, Method 9, the results will be documented using an ADEM visible emissions observation report and the cause and corrective action taken will be documented in a form suitable for inspection. 3. Maintenance records for the thermal oxidizer will be recorded. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years. 4. The 3-hour average combustion chamber temperature of the thermal oxidizer will be recorded. Each record shall be maintained for a period of 5 years. 5. The facility shall maintain a record of the pressure drop across the baghouse required under "Emission Monitoring". This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years. 	<p>ADEM Admin.Code r. 335-3-16-.05</p> <p>ADEM Admin.Code r. 335-3-16-.05</p> <p>ADEM Admin.Code r. 335-3-16-.05</p> <p>ADEM Admin.Code r. 335-3-16-.05</p> <p>ADEM Admin.Code r. 335-3-16-.05</p>

Summary Page for Primary Holding Furnace (35 metric ton)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
005	Primary Holding Furnace (35 metric ton)	PM	The lesser of 2.0 lbs/hr or the allowable set by $3.59(P)^{0.62}$	Anti-PSD 335-3-14-.04 335-3-4-.04
005	Primary Holding Furnace (35 metric ton)	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP
005	Primary Holding Furnace (35 metric ton)	CO	N/A	N/A
005	Primary Holding Furnace (35 metric ton)	SO ₂	N/A	N/A
005	Primary Holding Furnace (35 metric ton)	NO _x	**	*Anti-PSD 335-3-14-.04

* The natural gas usage is limited for the entire Lost Foam Operation to restrict the NO_x emissions.

** Natural gas usage for the Lost Foam Operation shall not exceed the Anti-PSD limit of 1,374.12 x 10⁶ ft³ during any consecutive 12 month period.

Provisos for Primary Holding Furnace (35 metric ton)

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
2. This source is subject only to Adem Admin Code r. 335-3-4-.04(1) "Control of Particulate Process Industries – General".	ADEM Admin. Code r. 335-3-4-.04(1)
3. This source is subject to ADEM Admin. Code r. 335-3-4-.01(1), "Control of Particulate Emissions – Visible Emissions".	ADEM Admin. Code r. 335-3-4-.01(1)
4. This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	ADEM Admin. Code r. 335-3-14-.04
Emission Standards	
1. Particulate matter emissions from this unit shall not exceed the lesser of the Anti-PSD limit of 2.0 lbs/hr or the allowable as set by ADEM Admin. Code r. 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04 ADEM Admin. Code r. 335-3-4-.04
Compliance and Performance Test Methods and Procedures	
1. If testing is required, particulate matter(PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
2. Method 9 of 40 CFR 60, Appendix A, or an equivalent method approved by the Department shall be used in the determination of the opacity of the stack emissions.	ADEM Admin.Code r. 335-3-1-.05
3. If testing is required, VOC emissions shall be determined in accordance with Method 25a of 40 CFR 60, Appendix A or an alternative method approved by ADEM.	ADEM Admin.Code r. 335-3-1-.05
Emission Monitoring	
1. The facility shall perform a visual check, at least once per week, of the stack associated with this unit. This check shall be performed by a person familiar with Method 9. If instantaneous opacity of emissions in excess of 10 % are noted, and are not corrected within a period of 1 hour, then a Method 9 must be performed within 4 hours of the observations.	

Federally Enforceable Provisos	Regulations
<p>2 If instantaneous opacity of emissions in excess of 10 % are noted, and are not corrected within a period of 1 hour, then a Method 9 must be performed within 4 hours of the observations. Maintenance shall be performed as needed. Any repairs or observed problems shall be recorded.</p>	<p>ADEM Admin.Code r. 335-3-16-.05</p>
<p><u>Record Keeping and Reporting Requirements</u></p>	
<p>1. The facility shall maintain a record of all inspections, to include visible observations and Method 9 observations performed to satisfy the requirements of periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.</p>	<p>ADEM Admin.Code r. 335-3-16-.05</p>
<p>2. If a visible emission observation is required using the 40 CFR, Part 60, Appendix A, Method 9, the results will be documented using an ADEM visible emissions observation report and the cause and corrective action taken will be documented in a form suitable for inspection.</p>	<p>ADEM Admin.Code r. 335-3-16-.05</p>

Summary Page for Primary Holding Furnace (80 metric ton)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
006	Primary Holding Furnace (80 metric ton)	PM	The lesser of 6.0 lbs/hr or the allowable set by $3.59(P)^{0.62}$	Anti-PSD 335-3-14-.04 335-3-4-.04
006	Primary Holding Furnace (80 metric ton)	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP
006	Primary Holding Furnace (80 metric ton)	CO	N/A	N/A
006	Primary Holding Furnace (80 metric ton)	SO ₂	N/A	N/A
006	Primary Holding Furnace (80 metric ton)	NO _x	**	*Anti-PSD 335-3-14-.04

* The natural gas usage is limited for the entire Lost Foam Operation to restrict the NO_x emissions.

** Natural gas usage for the Lost Foam Operation shall not exceed the Anti-PSD limit of 1,374.12 x 10⁶ ft³ during any consecutive 12 month period.

Provisos for Primary Holding Furnace (80 metric ton)

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
2. This source is subject only to Adem Admin Code r. 335-3-4-.04(1) "Control of Particulate Process Industries – General".	ADEM Admin. Code r. 335-3-4-.04(1)
3. This source is subject to ADEM Admin. Code r. 335-3-4-.01(1), "Control of Particulate Emissions – Visible Emissions".	ADEM Admin. Code r. 335-3-4-.01(1)
4. This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	ADEM Admin. Code r. 335-3-14-.04
Emission Standards	
1. Particulate matter emissions from this unit shall not exceed the lesser of the Anti-PSD limit of 6.0 lbs/hr or the allowable as set by ADEM Admin. Code r. 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04 ADEM Admin. Code r. 335-3-4-.04
Compliance and Performance Test Methods and Procedures	
1. If testing is required, particulate matter(PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
2. Method 9 of 40 CFR 60, Appendix A, or an equivalent method approved by the Department shall be used in the determination of the opacity of the stack emissions.	ADEM Admin.Code r. 335-3-1-.05
3. If testing is required, VOC emissions shall be determined in accordance with Method 25a of 40 CFR 60, Appendix A or an alternative method approved by ADEM.	ADEM Admin.Code r. 335-3-1-.05
Emission Monitoring	
1. The facility shall perform a visual check, at least once per week, of the stack associated with this unit. This check shall be performed by a person familiar with Method 9.	ADEM Admin.Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p>If instantaneous opacity of emissions in excess of 10 % are noted, and are not corrected within a period of 1 hour, then a Method 9 must be performed within 4 hours of the observations. Maintenance shall be performed as needed. Any repairs or observed problems shall be recorded.</p>	
<p><u>Record Keeping and Reporting Requirements</u></p>	
<p>1. The facility shall maintain a record of all inspections, to include visible observations and Method 9 observations performed to satisfy the requirements of periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.</p>	<p>ADEM Admin.Code r. 335-3-16-.05</p>
<p>2. If a visible emission observation is required using the 40 CFR, Part 60, Appendix A, Method 9, the results will be documented using an ADEM visible emissions observation report and the cause and corrective action taken will be documented in a form suitable for inspection.</p>	<p>ADEM Admin.Code r. 335-3-16-.05</p>

Summary Page for Two Natural Gas-Fired Heat Treating Furnaces (15 MMBtu/Hr, each)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
007	Two Natural Gas-Fired Heat Treating Furnaces (15 MMBtu/Hr, each)	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP
007	Two Natural Gas-Fired Heat Treating Furnaces (15 MMBtu/Hr, each)	CO	N/A	N/A
007	Two Natural Gas-Fired Heat Treating Furnaces (15 MMBtu/Hr, each)	SO ₂	N/A	N/A
007	Two Natural Gas-Fired Heat Treating Furnaces (15 MMBtu/Hr, each)	NO _x	**	*Anti-PSD 335-3-14-.04

* The natural gas usage is limited for the entire Lost Foam Operation to restrict the NO_x emissions.

** Natural gas usage for the Lost Foam Operation shall not exceed the Anti-PSD limit of 1,374.12 x 10⁶ ft³ during any consecutive 12 month period.

Provisos for Two Natural Gas-Fired Heat Treating Furnaces (15 MMBtu/Hr, each)

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin.Code r. 335-3-16-.03
2. This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	ADEM Admin.Code r. 335-3-14-.04
Emission Standards	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Compliance and Performance Test Methods and Procedures</u>	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Record Keeping and Reporting Requirements</u>	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A

Summary Page for Two Sand Reclaim Furnaces and Two Reclaim Sand Silos with Two Baghouses (Sharing a Common Stack)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
008	Two Sand Reclaim Furnaces and Two Reclaim Sand Silos with Two Baghouses (Sharing a Common Stack).	PM	*The lesser of 3.24 lbs/hr or the allowable set by $3.59(P)^{0.62}$	Anti-PSD 335-3-14-.04 335-3-4-.04
008	Two Sand Reclaim Furnaces and Two Reclaim Sand Silos with Two Baghouses (Sharing a Common Stack).	VOC	**1.2	Anti-PSD 335-3-14-.04
008	Two Sand Reclaim Furnaces and Two Reclaim Sand Silos with Two Baghouses (Sharing a Common Stack).	CO	N/A	N/A
008	Two Sand Reclaim Furnaces and Two Reclaim Sand Silos with Two Baghouses (Sharing a Common Stack).	SO ₂	N/A	N/A
008	Two Sand Reclaim Furnaces and Two Reclaim Sand Silos with Two Baghouses (Sharing a Common Stack).	NO _x	***	****Anti-PSD 335-3-14-.04
008	Two Sand Reclaim Furnaces and Two Reclaim Sand Silos with Two Baghouses (Sharing a Common Stack).	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP

***This limit is for a furnace and silo combined. Each combination would have this limit.**

****This limit is for each furnace.**

***** The natural gas usage is limited for the entire Lost Foam Operation to restrict the NO_x emissions.**

****** Natural gas usage for the Lost Foam Operation shall not exceed the Anti-PSD limit of 1,374.12 x 10⁶ ft³ during any consecutive 12 month period.**

Provisos for Two Sand Reclaim Furnaces and Two Reclaim Sand Silos with Two Baghouses (Sharing a Common Stack)

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin.Code r. 335-3-16-.03
2. This source is subject only to Adem Admin Code r. 335-3-4-.04(1) "Control of Particulate Process Industries – General".	ADEM Admin. Code r. 335-3-4-.04(1)
3. This source is subject to ADEM Admin. Code r. 335-3-4-.01(1), "Control of Particulate Emissions – Visible Emissions".	ADEM Admin. Code r. 335-3-4-.01(1)
4. These units have an enforceable limit in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	ADEM Admin.Code r. 335-3-14-.04
Emission Standards	
1. Particulate matter emissions from the stack associated with each system (one furnace and silo) shall not exceed the lesser of the Anti-PSD limit of 3.24 lbs/hr or the allowable as set by rule 335-3-4-.04	ADEM Admin.Code r. 335-3-14-.04 ADEM Admin.Code r. 335-3-4-.04
2. Volatile organic compounds from each furnace shall not exceed the Anti-PSD limit of 1.2 lbs/hr.	ADEM Admin.Code r. 335-3-14-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate matter(PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
2. Method 9 of 40 CFR 60, Appendix A, or an equivalent method approved by the Department shall be used in the determination of the opacity of the stack emissions.	ADEM Admin.Code r. 335-3-1-.05
3. If testing is required, VOC emissions shall be determined in accordance with Method 25a of 40 CFR 60, Appendix A or an alternative method approved by ADEM.	ADEM Admin.Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
Emission Monitoring	
<p>1. The facility shall perform a visual check, at least once per week, of the baghouse stack associated with each unit. This check shall be performed by a person familiar with Method 9. If the instantaneous opacity of emissions in excess of 10 % are noted, and are not corrected within a period of 1 hour, then a Method 9 must be performed within 4 hours of the observations. Maintenance shall be performed as needed. Any repairs or observed problems shall be recorded.</p>	ADEM Admin.Code r. 335-3-16-.05
<p>2. The facility shall monitor and record the pressure drop across each baghouse at least once per day. Corrective action must be performed if the pressure drops falls out of the range that is established by the facility.</p>	ADEM Admin.Code r. 335-3-16-.05
<u>Record Keeping and Reporting Requirements</u>	
<p>1. The facility shall maintain a record of all inspections, to include visible observations and Method 9 observations performed to satisfy the requirements of periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.</p>	ADEM Admin.Code r. 335-3-16-.05
<p>2. If a visible emission observation is required using 40 CFR Part 60, Appendix A, Method 9, the results will be documented using an ADEM visible emissions observation report and the cause and corrective action taken will be documented in a form suitable for inspection.</p>	ADEM Admin.Code r. 335-3-16.05
<p>3. The facility shall maintain a record of the pressure drop across the baghouse required under "Emission Monitoring". This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.</p>	ADEM Admin.Code r. 335-3-16-.05

Summary Page for Two Natural Gas-Fired Boilers (One 32.6 MMBtu/Hr and One 35 MMBtu/hr)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
009	Two Natural Gas-Fired Boilers (32.6 MMBtu & One 35 MMBtu)	PM	1.38(H) ^{-0.44}	SIP 335-3-4-.03(1)
009	Two Natural Gas-Fired Boilers (32.6 MMBtu & One 35 MMBtu)	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP
009	Two Natural Gas-Fired Boilers (32.6 MMBtu & One 35 MMBtu)	CO	N/A	N/A
009	Two Natural Gas-Fired Boilers (32.6 MMBtu & One 35 MMBtu)	SO ₂	N/A	N/A
009	Two Natural Gas-Fired Boilers (32.6 MMBtu & One 35 MMBtu)	NO _x	**	*Anti-PSD 335-3-14-.04

* The natural gas usage is limited for the entire Lost Foam Operation to restrict the NO_x emissions.

** Natural gas usage for the Lost Foam Operation shall not exceed the Anti-PSD limit of 1,374.12 x 10⁶ ft³ during any consecutive 12 month period.

Provisos for Two Natural Gas-Fired Boilers (One 32.6 MMBtu/Hr and One 35 MMBtu/hr)

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin.Code r. 335-3-16-.03
2. This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	ADEM Admin.Code r. 335-3-14-.04
3. This source is subject to the applicable requirements of 40 CFR Part 60 Subpart Dc, "Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units".	40 CFR Part 60 Subpart Dc
Emission Standards	
1. Particulate matter emissions from these units shall not exceed the allowable as set by ADEM Admin.Code r. 335-3-4-.04.	ADEM Admin.Code r. 335-3-4-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate matter(PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
2. Method 9 of 40 CFR 60, Appendix A, or an equivalent method approved by the Department shall be used in the determination of the opacity of the stack emissions.	ADEM Admin.Code r. 335-3-1-.05
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Permit Provisos.	N/A
<u>Record Keeping and Reporting Requirements</u>	
1. The owner or operator shall record and maintain records of the amount of fuel that is combusted during each month prorated for each boiler. The records shall be maintained for at least 5 years.	40 CFR Part 60, Subpart Dc.68.48c(g) Determination Detail Control #: 0300113

Summary Page for 4 Casting Line Holding Furnaces (2 furnaces on each line) (one 7 metric ton per line and one 4 metric ton per line).

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
010	4 Casting Line Holding Furnaces (2 furnaces on each line)(one 7 metric ton per line and one 4 metric ton per line)	PM	***The lesser of 0.76 lbs/hr or the allowable set by 3.59(P) ^{0.62}	Anti-PSD 335-3-14-.04 335-3-4-.04
010	4 Casting Line Holding Furnaces (2 furnaces on each line)(one 7 metric ton per line and one 4 metric ton per line)	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP
010	4 Casting Line Holding Furnaces (2 furnaces on each line)(one 7 metric ton per line and one 4 metric ton per line)	CO	N/A	N/A
010	4 Casting Line Holding Furnaces (2 furnaces on each line)(one 7 metric ton per line and one 4 metric ton per line)	SO ₂	N/A	N/A
010	4 Casting Line Holding Furnaces (2 furnaces on each line)(one 7 metric ton per line and one 4 metric ton per line)	NO _x	**	*Anti-PSD 335-3-14-.04

*** The natural gas usage is limited for the entire Lost Foam Operation to restrict the NO_x emissions.**

**** Natural gas usage for the Lost Foam Operation shall not exceed the Anti-PSD limit of 1,374.12 x 10⁶ ft³ during any consecutive 12 month period.**

*****All the furnaces share the limit of 0.76 lbs/hr.**

Provisos for 4 Casting Line Holding Furnaces (2 furnaces on each line) (one 7 metric ton per line and one 4 metric ton per line).

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
2. This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	ADEM Admin. Code r. 335-3-14-.04
3. This source is subject only to Adem Admin Code r. 335-3-4-.04(1) "Control of Particulate Process Industries – General".	ADEM Admin. Code r. 335-3-4-.04(1)
4. This source is subject to ADEM Admin. Code r. 335-3-4-.01(1), "Control of Particulate Emissions – Visible Emissions".	ADEM Admin. Code r. 335-3-4-.01(1)
Emission Standards	
1. Particulate matter emissions from these units combined shall not exceed the lesser of the Anti-PSD limit of 0.76 lbs/hr or the allowable as set by rule 335-3-4-.04	ADEM Admin. Code r. 335-3-14-.04 ADEM Admin. Code r. 335-3-4-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate matter(PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
2. Method 9 of 40 CFR 60, Appendix A, or an equivalent method approved by the Department shall be used in the determination of the opacity of the stack emissions.	ADEM Admin.Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<p>Emission Monitoring</p> <p>1. The facility shall perform a visual check, at least once per week, of the stacks associated with these units. This check shall be performed by a person familiar with Method 9. If the instantaneous opacity of visible emissions in excess of 10% are noted, and are not corrected within a period of 1 hour, then a Method 9 must be performed within 4 hours of the observations. Maintenance shall be performed as needed. Any repairs or observed problems shall be recorded.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>
<p><u>Record Keeping and Reporting Requirements</u></p> <p>1. The facility shall maintain a record of all inspections, to include visible observations and Method 9 observations performed to satisfy the requirements of periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.</p> <p>2. If a visible emission observation is required using the 40 CFR, Part 60, Appendix A, Method 9, the results will be documented using an ADEM visible emissions observation report and the cause and corrective action taken will be documented in a form suitable for inspection.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p> <p>ADEM Admin. Code r. 335-3-16-.05</p>

Summary Page for Sixteen Die-Casting Lines

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
013	Sixteen Die-Casting Lines	PM	3.59(P) ^{0.62}	SIP 335-3-4-.04
013	Sixteen Die-Casting Lines	VOC	N/A	N/A
013	Sixteen Die-Casting Lines	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP

Provisos for Sixteen Die-Casting Lines

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin.Code r. 335-3-16-.03
2. The conditions in this section do not apply to Unit 16 until the unit has been constructed and been given Temporary Authorization to Operate. The unit shall not operate until a written request has been submitted to the Department and the Department has granted the unit authorization to operate.	
Emission Standards	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate matter(PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
2. Method 9 of 40 CFR 60, Appendix A, or an equivalent method approved by the Department shall be used in the determination of the opacity of the stack emissions.	ADEM Admin.Code r. 335-3-1-.05
3. If testing is required, VOC emissions shall be determined in accordance with Method 25a of 40 CFR 60, Appendix A or an alternative method approved by ADEM.	ADEM Admin.Code r. 335-3-1-.05
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
<u>Record Keeping and Reporting Requirements</u>	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A

Summary Page for Sixteen Die-Casting Line Holding Furnaces

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
014	Sixteen Die-Casting Line Holding Furnaces	PM	*The lesser of 2.28 lbs/hr or the allowable set by $3.59(P)^{0.62}$	Anti-PSD 335-3-14-.04 335-3-4-.04
014	Sixteen Die-Casting Line Holding Furnaces	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP

***2.28 lbs/hr is a shared limit for all Sixteen die-casting line holding furnaces.**

Provisos for Sixteen Die-Casting Line Holding Furnaces

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
2. This source is subject only to Adem Admin Code r. 335-3-4-.04(1) "Control of Particulate Process Industries – General".	ADEM Admin. Code r. 335-3-4-.04(1)
3. This source is subject to ADEM Admin. Code r. 335-3-4-.01(1), "Control of Particulate Emissions – Visible Emissions".	ADEM Admin. Code r. 335-3-4-.01(1)
4. This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	Rule 335-3-14-.04
Emission Standards	
1. Particulate matter emissions from the units combined shall not exceed the lesser of the Anti-PSD limit of 2.28 lbs/hr or the allowable as set by ADEM Admin.Code r. 335-3-4-.04	ADEM Admin.Code r. 335-3-14-.04 ADEM Admin.Code r. 335-3-4-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate matter(PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
2. Method 9 of 40 CFR 60, Appendix A, or an equivalent method approved by the Department shall be used in the determination of the opacity of the stack emissions.	ADEM Admin.Code r. 335-3-1-.05
Emission Monitoring	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A
<u>Record Keeping and Reporting Requirements</u>	
1. This source is subject to no additional specific requirements other than those listed in the General Provisos.	N/A

Summary Page for Heat Treat Furnace

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
015	Heat Treat Furnace	PM	The lesser of 1.0 lbs/hr or the allowable set by $3.59(P)^{0.62}$	Anti-PSD 335-3-14-.04 335-3-4-.04
015	Heat Treat Furnace	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP

Provisos for Heat Treat Furnace

Federally Enforceable Provisos	Regulations
Applicability	
1. This source is subject to the applicable requirements of ADEM Admin. Code R. 335-3-16-.03, "Major Source Operating Permits."	Rule 335-3-16-.03
2. This source is subject only to Adem Admin Code r. 335-3-4-.04(1) "Control of Particulate Process Industries – General".	ADEM Admin. Code r. 335-3-4-.04(1)
3. This source is subject to ADEM Admin. Code r. 335-3-4-.01(1), "Control of Particulate Emissions – Visible Emissions".	ADEM Admin. Code r. 335-3-4-.01(1)
4. This unit has an enforceable limit in order to prevent it from being subject to the provisions of ADEM Admin. Code R. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	Rule 335-3-14-.04
Emission Standards	
1. Particulate matter emissions from the unit shall not exceed the lesser of the Anti-PSD limit of 1.0 lbs/hr or the allowable as set by rule 335-3-4-.04.	Rule 335-3-14-.04 Rule 335-3-4-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, particulate matter(PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin.Code r. 335-3-1-.05
2. Method 9 of 40 CFR 60, Appendix A, or an equivalent method approved by the Department shall be used in the determination of the opacity of the stack emissions.	ADEM Admin.Code r. 335-3-1-.05
Emission Monitoring	
1. The facility shall perform a visual check, at least once per week, of the stack associated with this unit. This check shall be performed by a person familiar with Method 9. If the instantaneous opacity of emissions in excess of 10% are noted, and are not corrected within a period of 1 hour, then a Method 9 must be performed within 4 hours of the observations. Maintenance shall be performed as needed. Any repairs or observed problems shall be recorded.	ADEM Admin.Code r. 335-3-16-.05

Federally Enforceable Provisos	Regulations
<u>Record Keeping and Reporting Requirements</u> <ol style="list-style-type: none"> 1. The facility shall maintain a record of all inspections, to include visible observations and Method 9 observations performed to satisfy the requirements of periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years. 2. If a visible emission observation is required using the 40 CFR, Part 60, Appendix A, Method 9, the results will be documented using an ADEM visible emissions observation report and the cause and corrective action taken will be documented in a form suitable for inspection. 	<p>ADEM Admin. Code r. 335-3-16.05</p> <p>ADEM Admin.Code r. 335-3-16.05</p>

Summary Page for Two Primary Aluminum Holding/Melting Furnaces (One 80-ton and One 75-ton) in the HP Die Cast Operation

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
016	Two Primary Holding Furnaces (80 metric ton & 75 metric ton)	PM	*The lesser of 6.0 lbs/hr or the allowable set by rule $3.59(P)^{0.62}$	Anti-PSD 335-3-14-.04 335-3-4-.04
016	Two Primary Holding Furnaces (80 metric ton & 75 metric ton)	Opacity	(See General Proviso 29)	335-3-4-.01(1) SIP

***Each Furnace has the limit of 6.0 lbs/hr.**

Provisos for Two Primary Aluminum Holding/Melting Furnaces (one 80 metric ton and one 75 metric ton) in the HP Die Cast Operation

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."	ADEM Admin. Code r. 335-3-16-.03
2. This source is subject only to Adem Admin Code r. 335-3-4-.04(1) "Control of Particulate Process Industries – General".	ADEM Admin. Code r. 335-3-4-.04(1)
3. This source is subject only to Adem Admin Code r. 335-3-4-.04(1) "Control of Particulate Process Industries – General".	ADEM Admin. Code r. 335-3-4-.04(1)
4. These units have an enforceable limit in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]."	ADEM Admin. Code r. 335-3-14-.04
Emission Standards	
1. Particulate matter emissions from each unit shall not exceed the lesser of the Anti-PSD limit of 6.0 lbs/hr or the allowable as set by rule 335-3-4-.04	ADEM Admin. Code r. 335-3-14-.04
	ADEM Admin. Code r. 335-3-4-.04
<u>Compliance and Performance Test Methods and Procedures</u>	
1. EPA Reference Method 9 of 40 CFR (Latest Edition) Part 60 or alternative approved by the Department will be used in the determination of the opacity of the stack emissions.	ADEM Admin. Code r. 335-3-1-.05
2. EPA Reference Method 5 of Appendix A of CFR; Title 40, Part 60 (Latest Edition) or alternative approved by the Department will be used for any testing conducted to determine compliance with particulate matter emissions.	ADEM Admin. Code r. 335-3-1-.05
Emission Monitoring	
1. The facility shall perform a visual check, at least once per week, of the stack associated with each unit. This check shall be performed by a person familiar with Method 9. If visible emissions in excess of 10% opacity are noted, and are not corrected within a period of 1 hour, then a Method 9 must be performed within 4 hours of the observations.	ADEM Admin. Code r. 335-3-16-.05

Federally Enforceable Provisos	Regulations
<p>Maintenance shall be performed as needed. Any repairs or observed problems shall be recorded.</p>	
<p><u>Record Keeping and Reporting Requirements</u></p>	
<p>1. The facility shall maintain a record of all inspections, to include visible observations and Method 9 observations performed to satisfy the requirements of periodic monitoring. This shall include all problems observed and corrective actions taken. Each record shall be maintained for a period of 5 years.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>
<p>2. If a visible emission observation is required using the 40 CFR, Part 60, Appendix A, Method 9, the results will be documented using an ADEM visible emissions observation report and the cause and corrective action taken will be documented in a form suitable for inspection.</p>	<p>ADEM Admin. Code r. 335-3-16-.05</p>